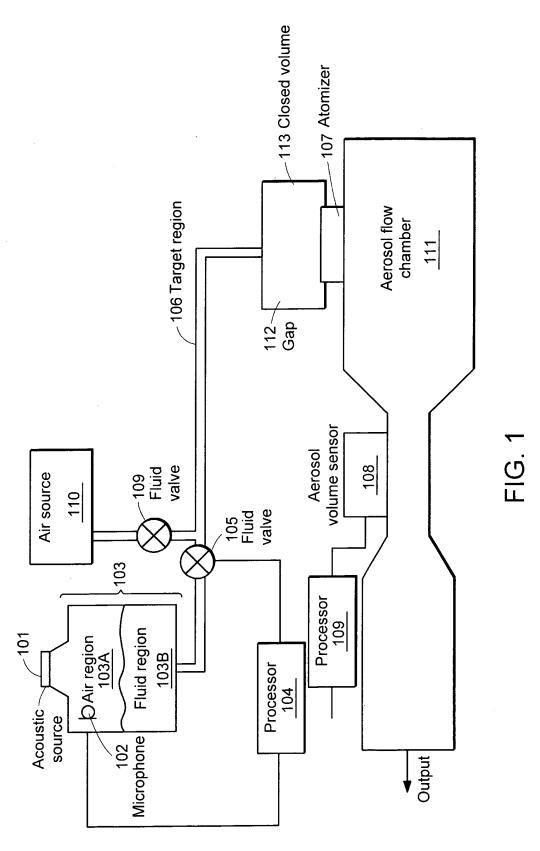
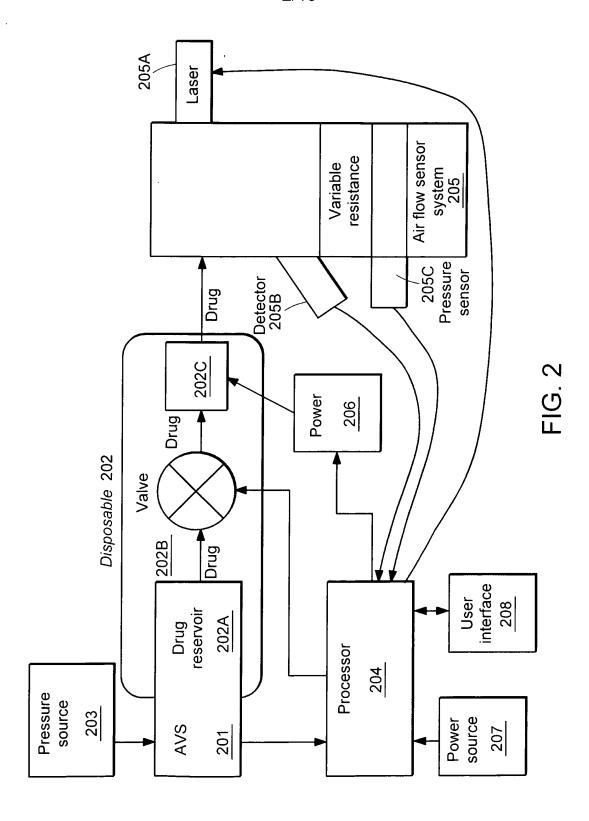
Applicant: Altobelli et al.

Title: Valve System and Method of Aerosol Delivery
Application No.: 10/670,641
Filing Date: September 25, 2003
Docket No.: 1062/D43
Replacement Sheet 1 of 16





Applicant: Altobelli et al.
Title: Valve System and Method of Aerosol Delivery
Application No.: 10/670,641
Filing Date: September 25, 2003
Docket No.: 1062/D43
Replacement Sheet 2 of 16



3/16

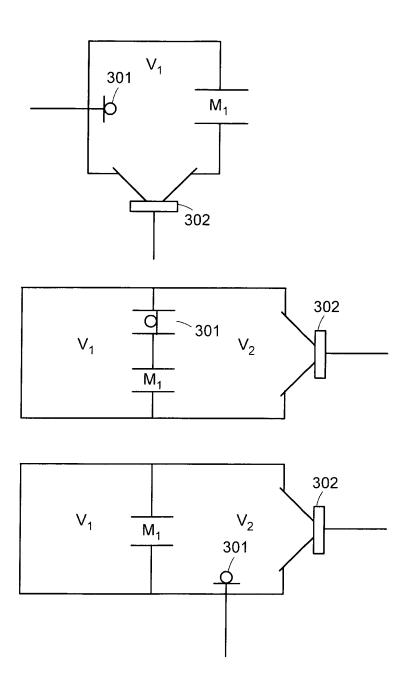


FIG. 3

Applicant: Altobelli et al.

Title: Valve System and Method of Aerosol Delivery
Application No.: 10/670,641
Filing Date: September 25, 2003
Docket No.: 1062/D43
Replacement Sheet 4 of 16

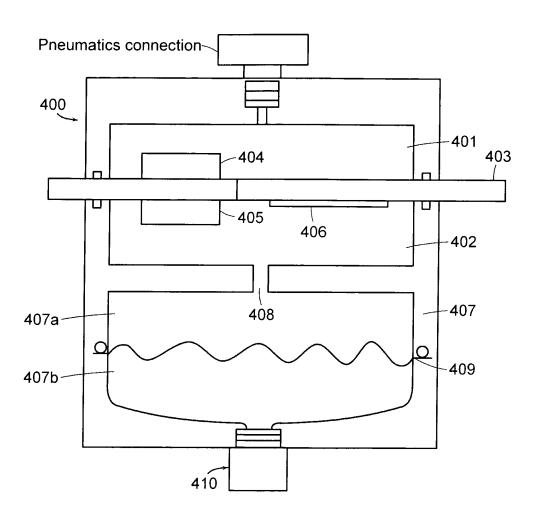


FIG. 4

Applicant: Altobelli et al.

Title: Valve System and Method of Aerosol Delivery
Application No.: 10/670,641
Filing Date: September 25, 2003
Docket No.: 1062/D43
Replacement Sheet 5 of 16

5/16

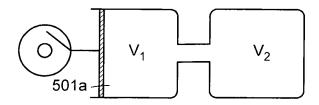
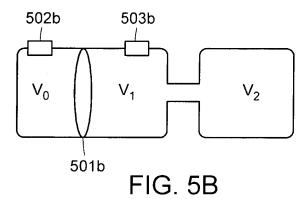


FIG. 5A



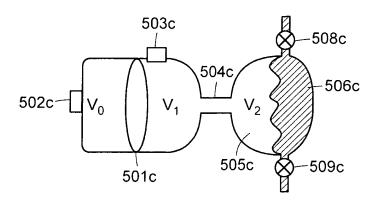


FIG. 5C

Applicant: Altobelli et al.

Title: Valve System and Method of Aerosol Delivery
Application No.: 10/670,641
Filing Date: September 25, 2003
Docket No.: 1062/D43
Replacement Sheet 6 of 16

6/16

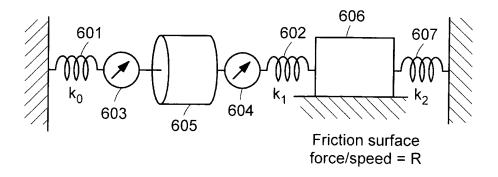


FIG. 6

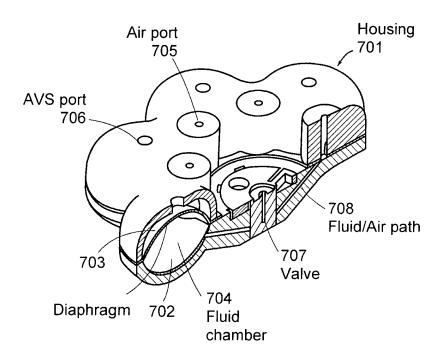


FIG. 7

Applicant: Altobelli et al.

Title: Valve System and Method of Aerosol Delivery
Application No.: 10/670,641
Filing Date: September 25, 2003
Docket No.: 1062/D43
Replacement Sheet 7 of 16

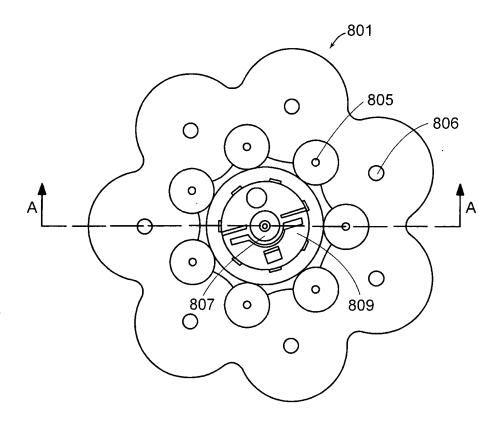
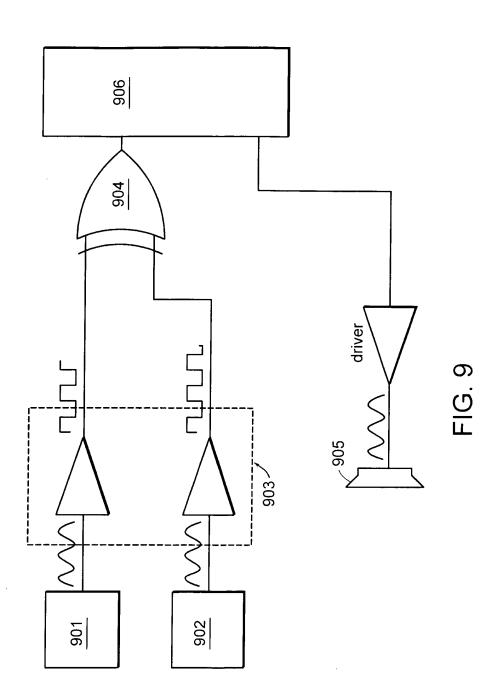


FIG. 8

Applicant: Altobelli et al.

Title: Valve System and Method of Aerosol Delivery
Application No.: 10/670,641
Filing Date: September 25, 2003
Docket No.: 1062/D43
Replacement Sheet 8 of 16

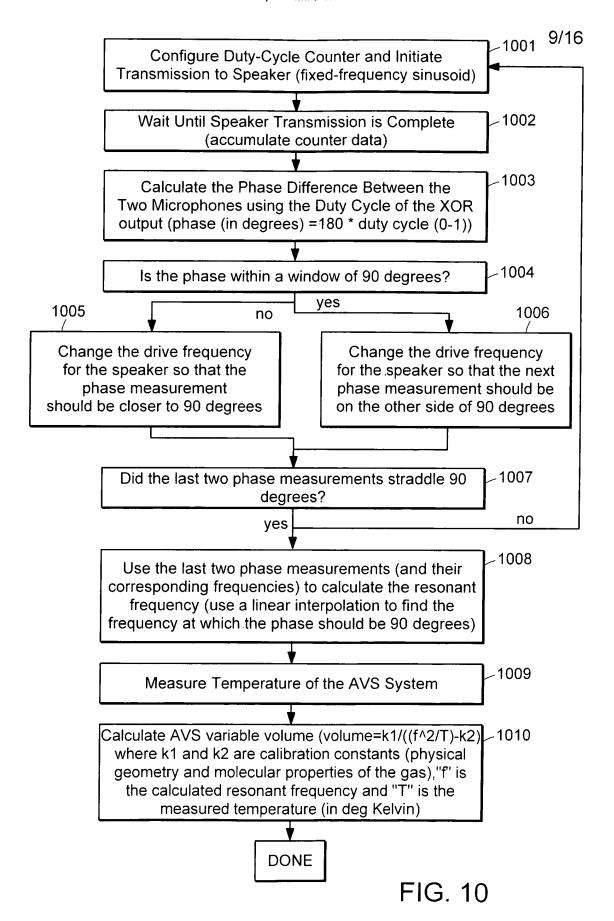
8/16



Applicant: Altobelli et al.

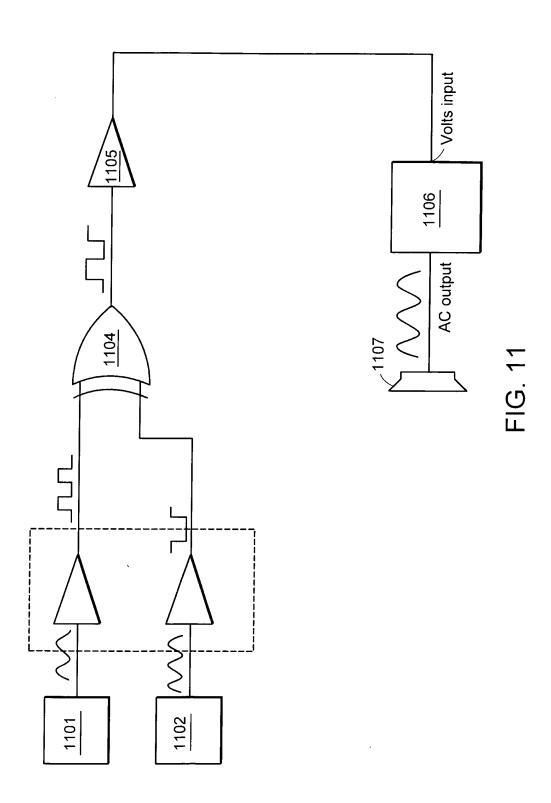
Title: Valve System and Method of Aerosol Delivery
Application No.: 10/670,641
Filing Date: September 25, 2003

Docket No.: 1062/D43 Replacement Sheet 9 of 16



Applicant: Altobelli et al.

Title: Valve System and Method of Aerosol Delivery
Application No.: 10/670,641
Filing Date: September 25, 2003
Docket No.: 1062/D43
Replacement Sheet 10 of 16



Applicant: Altobelli et al.

Title: Valve System and Method of Aerosol Delivery
Application No.: 10/670.641

Filing Date: September 25, 2003
Docket No.: 1062/D43

## 11/16

Replacement Sheet 11 of 16

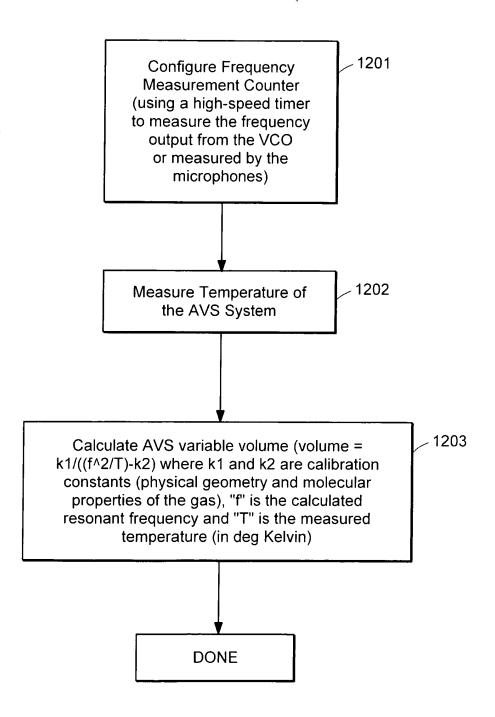


FIG. 12

Applicant: Altobelli et al.

Title: Valve System and Method of Aerosol Delivery
Application No.: 10/670,641
Filing Date: September 25, 2003
Docket No.: 1062/D43
Replacement Sheet 12 of 16

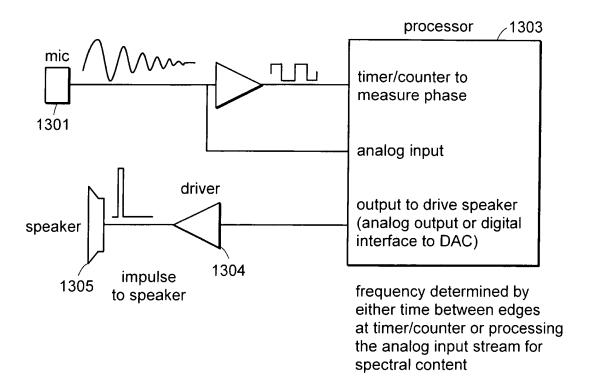
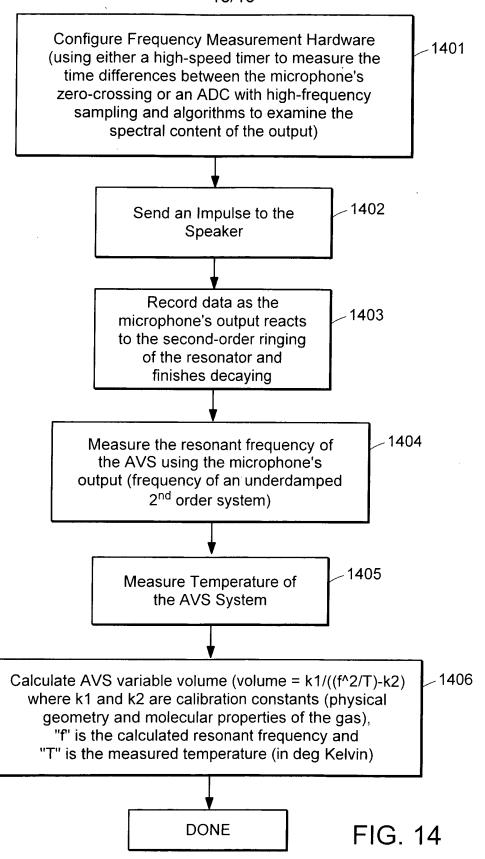


FIG. 13

Applicant: Altobelli et al.

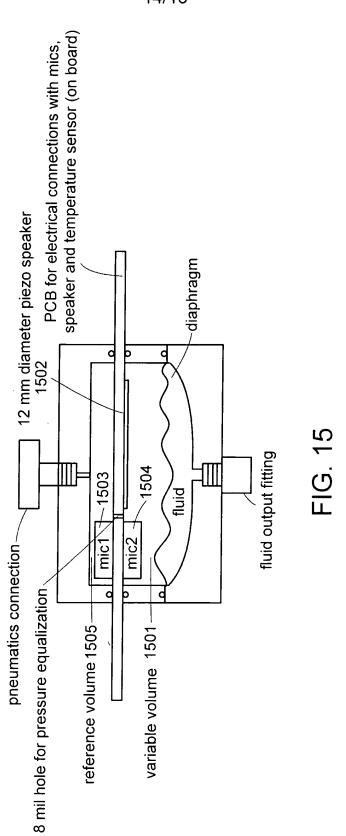
Title: Valve System and Method of Aerosol Delivery
Application No.: 10/670,641
Filing Date: September 25, 2003

Docket No.: 1062/D43 Replacement Sheet 13 of 16



Applicant: Altobelli et al.

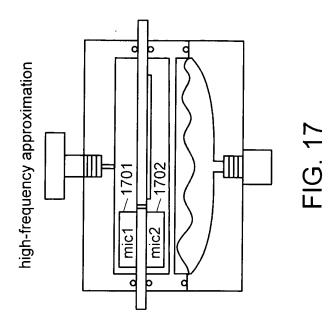
Title: Valve System and Method of Aerosol Delivery
Application No.: 10/670,641
Filing Date: September 25, 2003
Docket No.: 1062/D43
Replacement Sheet 14 of 16

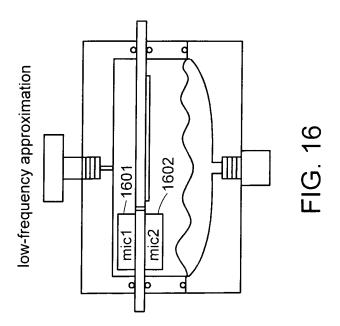


Applicant: Altobelli et al.

Title: Valve System and Method of Aerosol Delivery
Application No.: 10/670,641
Filing Date: September 25, 2003
Docket No.: 1062/D43
Replacement Sheet 15 of 16

15/16





Applicant: Altobelli et al.

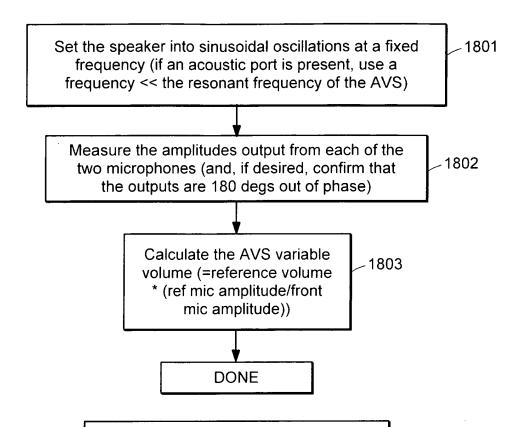
Title: Valve System and Method of Aerosol Delivery
Application No.: 10/670,641

Filing Date: September 25, 2003

Docket No.: 1062/D43

Replacement Sheet 16 of 16

## 16/16



(if desired) Cycle through multiple frequencies to confirm the volume measurement (should be independent of frequency, presence of air bubbles within the variable fluid volume or other "acoustic leaks" or mic/ electronics errors may be detected)

(if desired and using AVS) Perform a volume measurement (with amplitude ratio technique) using a frequency >> resonant frequency of AVS (should be equal to the fixed volume and independent of the variable volume). This is a good confirmation of system performance and may be used to assist in air bubble detection or compensation for microphone sensitivity drift or electronics errors.